

Notice of Allowability

Application No.

09/040,560

Examiner

Hai Tran

Applicant(s)

SHINOTSUKA, HIDEAKI

Art Unit

2611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/12/2005.
2. ☒ The allowed claim(s) is/are 1-3 and 6.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Tom Basso on 09/28/2005. The application has been amended (shown with underline) as follows:

Claim 1, An information signal device connected to a network, comprising:
at least one object for generating messages concerning events occurring in the information signal device, wherein said messages have specified and unspecified destinations;

an event manager for directing the messages generated by the at least one object to destinations inside and outside the information signal device;

a network messenger for transmitting generated messages to a specified destination on the network directed by the event manager;

a broadcast manager for broadcasting generated messages having unspecified destinations to the network as directed by the event manager, wherein the broadcast manager broadcasts each message with reference information attached thereto, the reference information changing at each message broadcast according to a

Art Unit: 2611

predetermined sequence, wherein the broadcast manager broadcasts, in a predetermined repetition period, verification information having a predetermined relationship with the reference information, and wherein the broadcast manager deletes the held message at a moment a duration longer than twice the predetermined repetition period elapses, and

wherein the messages generated by the at least one object are delivered by exchanging the messages with the event manager in a one-to-one communication, and wherein the at least one object does not discriminate whether the destinations of the messages are outside or inside the information signal device.

Claim 3, An information signal device connected to a network, comprising:
at least one object for generating messages concerning events occurring in the information signal device, wherein said messages have specified and unspecified destinations;

an event manager for directing the messages generated by the at least one object to destinations inside and outside the information signal device;

a network messenger for transmitting generated messages to a specified destination on the network directed by the event manager;

a broadcast manager for broadcasting generated messages having unspecified destinations to the network as directed by the event manager, and

wherein the messages generated by the object are delivered by exchanging the messages with the event manager in a one-to-one communication, and

Art Unit: 2611

wherein the at least one object does not discriminate whether the destinations of the messages are outside or inside the information signal device,

wherein the broadcast manager also receives broadcasted messages from the network, recognizes a change in reference information attached to the broadcasted messages received from the network, deletes the held message at a moment a duration longer than twice the predetermined repetition period elapses, wherein the reference information changes at each message broadcasted according to a predetermined sequence, and requests a sender of a broadcasted message to retransmit the broadcasted message in response to a result of the recognition.

Claim 6, an information signal device according to claim 3, wherein the broadcast manager receives broadcasted messages from the network, and also receives verification information transmitted to the network, and requests a device, which has transmitted the verification information, to transmit the broadcasted message when there is no predetermined relationship between the received verification information and the reference information attached to the received message.

Claims 4-5 (cancelled).

Allowable Subject Matter

Claims 1-3, and 6 are allowed.

Art Unit: 2611

The following is an examiner's statement of reasons for allowance: The prior art fails to anticipate or render the limitation (s), "wherein the broadcast manager deletes the held message at a moment a duration longer than twice the predetermined repetition period elapses" obvious in combination with all other limitations of the claimed independent claims 1 and 3.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

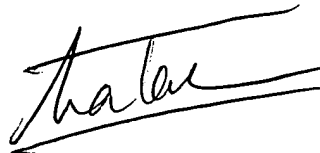
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai Tran whose telephone number is (571) 272-7305. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher C. Grant can be reached on (571) 272-7294. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2611

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HT:ht
09/29/2005

A handwritten signature in black ink, appearing to read 'Hai Tran', written over two horizontal lines.

**HAI TRAN
PRIMARY EXAMINER**